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25X1 1.	14 - 1 - 1 - 1	. :	equipment
25X1	was not unusual, the plastic mold the only items of interest.	s (dies) and labor	catory hydraulic press being
25X1	the Ministry of Food In Krakovska ulice:	dustry was	located at that time in Prague I
25X1			
25X1 25X1			
25X1			
25X1 2.	The following jobs were undertaken April 1948 to October 1949:	for the Mi	nistry during the period
	a. Salvaging of feathers discard	led by the poultry	industry.
	b. Utilization of poultry entrac. Study of conditions required	for the artificia	l hatching of poultry eggs.
	 a. Preparation of automatic poule. e. Testing edibility of egg protesting. 	try feeders.	
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3. The work on salvaging of feathers discarded by the poultry industry was requested by the Ministry as a part of its effort to keep employees of the industry employed throughout the year. The Ministry apparently believed that the waste feathers could be collected and use made of them to keep employees busy during the normal four months of slack operations experienced yearly by the industry. My efforts to salvage chicken-feathers led to the introduction of a machine for plucking the feathers and to the setting up of five to ten stations for the cleaning and quality classification of the feather yields

		so obtained.
	4.	The problem of utilization of poultry entrails consisted in the finding of a use for where intestines of chickens usually discarded.
25X1		
25X1		chicken slaughterhouses were scatttered all over
25X1		the country, the yield of entrails at each slaughterhouse was too
25X1		small, and transportation was too much of a problem to make the
		idea practical. the entrails so dried were edible, but because of the impractical nature of the idea, the Ministry was
25X1		forced to abandon it. The entrails were then used as fertilizer.
25X1	_	
	5.	The problem involved in artificial hatching of poultry eggs was to find conditions suitable for optimum yield during incubator hatching of
25X1		the eggs. studies in laboratory and at hatcheries
25X1		in Prague-Louny and Brandys nad Labem. In these hatcheries, chickens
25X1		ducks, and geese were hatched.
		the hatcheries required more moisture and carbon dioxide in the air surrounding the eggs. water pans and evaporators to in-
25X1		crease the moisture content, and carbon dioxide-containing air to
25X1		raise the percentage of that gas in the atmosphere. Although
25X1		achieved conditions producing 90 percent hatching success, the pro- blem was not considered entirely solved.
25X1		construction of a hatching machine permitted control of
25/(1		construction of a hatching machine permitted control of moisture and carbon dioxide. A factory, Electro-Praga, National
25X1		Corporation, has attempted to produce incubators utilizing ideas of
0EV4		foreign lands, such as the USA, for poultry hatching in the CSR.
25X1	6.	The problem of preparing an automatic feeder for the poultry was re-
25X1		Was believed that whichers were not the transfer to the transf
25X1		receiving an adequate diet. the food supply was good, but the chickens did not get enough water. introduced cold
23/1		flowing water through spouts, and the chickens drank more water
		and ate more food. The chicken feed supplied to the poultry raisers
		came from a factory in Kolin, near Prague. The food consisted of wheat
		chaff, wheat bran, peat, cut grass, and ground lime.
25X1	7.	edibility of proteins from broken eggs was designed
25X1		to find a method to distinguish between spoiled egg-protein and edible
		egg-protein obtained from eggs broken during handling by egg hatcheries.
25X1		hatcheries. setting up a test for amino acid content in good and spoiled eggs could not
		be established and the edibility of the erg protein was decided on
		the basis of taste alone. If the eggs tasted good they were classified
		as grade I, edible; if they did not taste good, they were classified
		as grade II, commercial. The edible egg-protein was used by bakers, macaroni-makers, confectioners. The commercial grade was used for
		paint manufacture, for glue, or similar purposes.

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